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Glu Arg Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg Ile Val Glu Gly
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Pro	Val 210	Cys	Leu	Pro	Asp	Arg 215	Glu	Thr	Ala	Ala	Ser 220	Leu	Leu	Gln	Ala	
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	Pro															*
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	Thr															
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cga	ggg	gat	gcc	tgt	gaa	ggt	gac	act	ggg	gga	ссс	ttt	gtc	atg	aag	912
Arg	Gly	Asp	Ala	Cys	$\hbox{\rm Gl} u$	Gly	Asp	Thr	Gly	Gly	Pro	Phe	Val	Met	Lys	
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Ser	Pro	Phe	Asn	Asn	Arg	Trp	Tyr	Gln	Met	Gly	Ile	Val	Ser	Trp	Gly	
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Ser	Asp	Ala		Ile	Gly	Met	Ser		Trp	Gln	Val	Met		Phe	Arg	
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Lys	Ser		GIn	Glu	Leu	Leu		Gly	Ala	Ser	Leu		Ser	Asp	Arg	
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Gly Tyr Lys Gly Arg Val Thr Gly Trp Gly Asn Leu Lys Glu Thr Trp
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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Ala Leu Cys Ser Leu Val His Ser Gln His Val Phe Leu Ala Pro Gln
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Gln Ala Arg Ser Leu Leu Gln Arg Val Arg Arg Thr Ala Thr Ser Glu
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Tyr Gln Thr Phe Phe Asn Pro Arg Thr Phe Gly Ser Gly Glu Ala Asp
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                                            60
                                                                      240
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
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aag agt ccc Lys Ser Pro 115	Gln Glu										384
tgg gtc ctc Trp Val Leu 130										-	432
aac ttc acc Asn Phe Thr 145						e Gly				-	480
aca agg tad Thr Arg Tyr				Lys I							528
tac atc cac Tyr Ile His			Trp		_	_	_				576
gcc ctg atg Ala Leu Met 195	Lys Leu										624
cct gtg tgt Pro Val Cys 210											672
gga tac aag Gly Tyr Lys 225						n Leu					720
aca gcc aac Thr Ala Asn				Pro S							768
ctg ccc att Leu Pro Ile			Val (816
atc act gac Ile Thr Asp 275	Asn Met										864
cga ggg gat Arg Gly Asp 290											912
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
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Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
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Ser	Asp	Āla	Glu 100	Ile	Gly	Met	Ser	cct Pro 105	Trp	Gln	Val	Met	Leu 110	Phe	Arg	336
Lys	Ser	Pro 115	Gln	Glu	Leu	Leu	Cys 120	ggg Gly	Ala	Ser	Leu	Ile 125	Ser	Asp	Arg	384
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Tyr	Ile	His	Pro 180	Arg	Tyr	Asn	Trp	cgg Arg 185	Glu	Asn	Leu	Asp	Arg 190	Asp	Ile	576
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								tgg Trp								720
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912

960

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Arg Gly Asp Ala Cys Glu Gly Asp Val Gly Gly Pro Phe Val Met Lys
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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cgc ctg aag aag tgg ata cag aag gtc att gat cag ttt gga gag tag
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
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Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
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Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
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Thr Arg Tyr Glu Arg Asn Ile Glu Lys Ile Ser Met Leu Glu Lys Ile
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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Ala Leu Cys Ser Leu Val His Ser Gln His Val Phe Leu Ala Pro Gln
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Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
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Ala Leu Met 195			200		20)5		
cct gtg tgt Pro Val Cys								
210 var cys	rea 110	215		nia nia	220	eu Leu	GIII	міа
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Thr Ala Asn								
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ctg ccc att								
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Ile Thr Asp	Asn Met	Phe Cys	_	Tyr Lys		-	Gly	Lys
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Glu Gly Cys								
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Gln Ala Arg		Leu Gln		Arg Arg	Thr Al		Ser	G1u
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Cys Gly Leu	Arg Pro	Leu Phe 70	Glu Lys	Lys Ser 75	Leu G1	u Asp		
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	85			90			95	
Ser Asp Ala	C1 T1.	Cl. Mot	Car Dra	Trn Cln	Vol Mo	+ 1 011	Pho	A 200
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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Ala Leu Cys Ser Leu Val His Ser Gln His Val Phe Leu Ala Pro Gln
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Ser	Asp	Ala	Glu 100	Ile	Gly	Met	Ser	Pro 105	Trp	Gln	Val	Met	Leu 110	Phe	Arg	
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	Ser	115					120					125				
	gtc															432
	Val 130					135					140					
	ttc															480
145	Phe				150					155					160	
	agg							-				_	-	_		528
	Arg	-		165				-	170					175		
	atc													-		576
	Ile		180					185					190	_		
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	Pro		260					265					270			
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	Gly 290					295					300					
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Ser 305	Pro	Phe	Asn	Asn	Arg 310	Trp	Tyr	Gln	Met	G1y 315	Ile	Val	Ser	Trp	G1y 320	
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Tyr Gln Thr Phe Phe Asn Pro Arg Thr Phe Gly Ser Gly Glu Ala Asp
Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
Glu Arg Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg Ile Val Glu Gly
Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
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Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
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Asn Phe Thr Glu Asn Asp Leu Leu Val Arg Ile Gly Lys His Ser Arg
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Thr Arg Tyr Glu Arg Asn Ile Glu Lys Ile Ser Met Leu Glu Lys Ile
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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Ala Leu Met Lys Leu Lys Lys Pro Val Ala Phe Ser Asp Tyr Ile His
Pro Val Cys Leu Pro Asp Arg Glu Thr Ala Ala Ser Leu Leu Gln Ala
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Gly Tyr Lys Gly Arg Val Thr Gly Trp Gly Asn Leu Lys Glu Thr Trp
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Ile Thr Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys
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Arg Gly Asp Ala Cys Glu Gly Asp Asn Gly Gly Pro Phe Val Met Lys
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                                            300
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Homo sapiens

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			acc Thr												432
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aca Thr															528
tac Tyr															576
gcc Ala															624
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gga Gly 225															720
aca Thr															768
ctg	ссс	att	gtg		cgg	ccg	gtc	tgc	aag	gac	tcc	acc	cgg	cgc	816

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Ile Thr Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys
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                                                                      912
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Arg Gly Asp Ala Cys Glu Gly Asp Ala Gly Gly Pro Phe Val Met Lys
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                                                                      960
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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                                        315
gaa ggc tgt gac cgg gat ggg aaa tat ggc ttc tac aca cat gtg ttc
                                                                     1008
Glu Gly Cys Asp Arg Asp Gly Lys Tyr Gly Phe Tyr Thr His Val Phe
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                                    330
cgc ctg aag aag tgg ata cag aag gtc att gat cag ttt gga gag tag
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Tyr Gln Thr Phe Phe Asn Pro Arg Thr Phe Gly Ser Gly Glu Ala Asp
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
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Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
Trp Val Leu Thr Ala Ala His Cys Leu Leu Tyr Pro Pro Trp Asp Lys
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Asn Phe Thr Glu Asn Asp Leu Leu Val Arg Ile Gly Lys His Ser Arg
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                                        155
Thr Arg Tyr Glu Arg Asn Ile Glu Lys Ile Ser Met Leu Glu Lys Ile
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                                    170
Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asn Ile
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Ala Leu Met Lys Leu Lys Lys Pro Val Ala Phe Ser Asp Tyr Ile His
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Gly Tyr Lys Gly Arg Val Thr Gly Trp Gly Asn Leu Lys Glu Thr Trp
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245
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Arg Gly Asp Ala Cys Glu Gly Asp Ala Gly Gly Pro Phe Val Met Lys
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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Glu Gly Cys Asp Arg Asp Gly Lys Tyr Gly Phe Tyr Thr His Val Phe
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                                                                       96
Ala Leu Cys Ser Leu Val His Ser Gln His Val Phe Leu Ala Pro Gln
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Gln Ala Arg Ser Leu Leu Gln Arg Val Arg Arg Thr Ala Thr Ser Glu
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Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
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                            120
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Ala	Leu	Met 195	Lys	Leu	Lys	Lys	Pro 200	Val	Ala	Phe	Ser	Asp 205	Tyr	Ile	His	
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Pro	Val 210	Cys	Leu	Pro	Asp	Arg 215	Glu	Thr	Ala	Ala	Ser 220	Leu	Leu	Gln	Ala	
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	V-,	0,0	ПОР	325		01,	2,0	- , -	330		- , -			335		
cac	cta	aag	aao		ata	cag	220	atc		gat	cag	+++	aaa		tar	1056
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1				5	01)	200	· · · ·	200	10	01)	0,0	200		15		
_	1 011	Cys	San	•	Vol	ш	Sar.	Cln		Val	Dho	I	۸1۵	-	C1 _n	
MIA	Leu	Cys		Leu	Vai	111.2	Sei		1112	vai	I HE	Leu		110	GIII	
C1	A 1 .	A	20	1	1	C1		25			T)	4.1	30	0	01	
GIN	на	Arg	ser	Leu	Leu	GIN		vai	Arg	Arg	ınr		Inr	Ser	Glu	
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lyr		Thr	Phe	Phe	Asn		Arg	Thr	Phe	Gly		Gly	Glu	Ala	Asp	
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	Gly	Leu	Arg	Pro		Phe	Glu	Lys	Lys		Leu	Glu	Asp	Lys		
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Ala Leu Cys Ser Leu Val His Ser Gln His Val Phe Leu Ala Pro Gln
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	tac Tyr									528
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	tgt Cys									672
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	att Ile			-	_	_			_	816
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Tyr Gln Thr Phe Phe Asn Pro Arg Thr Phe Gly Ser Gly Glu Ala Asp
Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
Glu Arg Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg Ile Val Glu Gly
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Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
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                                        235
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		gag Glu										288
		gca Ala										336
		ccc Pro 115										384
		ctc Leu										432
		acc Thr					_	-	-		_	480
		tac Tyr										528
		cac His										576
		atg Met 195										624
		tgt Cys										672
		aag Lys										720
		aac Asn										768

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atc act gac a					
Ile Thr Asp A 275		280		285	
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Gln Ala Arg Se	er Leu Leu			Ala Thr Ser 45	Glu
Tyr Gln Thr Ph 50	ne Phe Asn	Pro Arg Thr 55	Phe Gly Ser 60	Gly Glu Ala	Asp
Cys Gly Leu A	rg Pro Leu	Phe Glu Lys	Lys Ser Leu	Glu Asp Lys	Thr
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	85	• •	90	95	
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Thr Arg Tyr G		Ile Glu Glu		Leu Glu Lys 175	Ile
Tyr Ile His Pr	o Arg Tyr	Asn Trp Arg 185			
Ala Leu Met Ly 195					His
Pro Val Cys Le	eu Pro Asn				Ala
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gcc ctg tgt agc ctt gtg cac agc cag cat gtg ttc ctg gct cct cag
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Ala Leu Cys Ser Leu Val His Ser Gln His Val Phe Leu Ala Pro Gln
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Gln Ala Arg Ser Leu Leu Gln Arg Val Arg Arg Thr Ala Thr Ser Glu
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Tyr Gln Thr Phe Phe Asn Pro Arg Thr Phe Gly Ser Gly Glu Ala Asp
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
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                                        75
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                                     90
tcg gat gca gag atc ggc atg tca cct tgg cag gtg atg ctt ttc cgg
                                                                      336
Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
                                                                      384
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Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
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                            120
tgg gtc ctc acc gcc gcc cac tgc ctc ctg tac ccg ccc tgg gac aag
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									Glu								020
	1111	m 8	1 7 1	oru	165	non	110	Olu	oru	170	UCI	me c	LCu	oru	175	110	
	too	a t a				t 0.0		+ ~ ~				a + ~	~~~			a + +	576
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		1 9 1	Lys	Gry	VI B		1111	оту	Trp	оту		Leu	Lys	GIU	1111		
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	Leu	Pro	Ile	Val	Glu	Arg	Pro	Val	Cys	Lys	Asp	Ser	Thr	Arg	Ile	Arg	
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	atc	act	gac		atø	ttc	tøt	get	ggt	tac	aag	cct	gat	gaa	ggg	aaa	864
									Gly								001
	110	1111	275	11311	IIIC C	1 110	0,3	280	Oly	1) 1	LJS	110	285	oru	01,	Lys	
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,			1 00	Ara	Pro	Lou		G1	Lys	Luc	500		61	A 0.00	Lva	Thr	
		оту	ren	vi R	110		1 116	oru	LyS	LyS		Leu	oru	veh	LyS		
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Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
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Thr Arg Tyr Glu Arg Asn Ile Glu Glu Ile Ser Met Leu Glu Lys Ile
Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asn Ile
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Ala Leu Met Lys Leu Lys Lys Pro Val Ala Phe Ser Asp Tyr Ile His
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Pro Val Cys Leu Pro Asp Arg Glu Thr Ala Ala Ser Leu Leu Gln Ala
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                                            220
Gly Tyr Lys Gly Arg Val Thr Gly Trp Gly Asn Leu Lys Glu Thr Trp
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Thr Ala Asn Val Gly Lys Gly Gln Pro Ser Val Leu Gln Val Val Asn
Leu Pro Ile Val Glu Arg Pro Val Cys Lys Asp Ser Thr Arg Ile Arg
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Ile Thr Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys
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Arg Gly Asp Ala Cys Glu Ala Asp Ala Gly Gly Pro Phe Val Met Lys
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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gcc ctg tgt agc ctt gtg cac agc cag cat gtg ttc ctg gct cct cag
                                                                       96
Ala Leu Cys Ser Leu Val His Ser Gln His Val Phe Leu Ala Pro Gln
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Gln Ala Arg Ser Leu Leu Gln Arg Val Arg Arg Thr Ala Thr Ser Glu
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													_	gac Asp	_	384
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														tcc Ser		480
														aag Lys 175		528
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														ggg Gly		864
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														tgg Trp		960
														gtg Val 335		1008
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Tyr Gln Thr Phe Phe Asn Pro Arg Thr Phe Gly Ser Gly Glu Ala Asp
Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
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Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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Ala Leu Met Lys Leu Lys Lys Pro Val Ala Phe Ser Asp Tyr Ile His
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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Ala Leu Cys Ser Leu Val His Ser Gln His Val Phe Leu Ala Pro Gln
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
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tcg gat gca gag atc ggc atg tca cct tgg cag gtg atg ctt ttc cgg
                                                                      336
Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
                                                                      384
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Thr Arg Tyr Glu Arg Asn Ile Glu Lys Ile Ser Met Leu Glu Lys Ile
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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gcc ctg atg aag ctg aag aag cct gtt gcc ttc agt gac tac att cac
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Ala Leu Met Lys Leu Lys Lys Pro Val Ala Phe Ser Asp Tyr Ile His
        195
                            200
                                                                      672
cct gtg tgt ctg ccc gac agg gag acg gca gcc agc ttg ctc cag gct
Pro Val Cys Leu Pro Asp Arg Glu Thr Ala Ala Ser Leu Leu Gln Ala
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                        215
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Leu Pro Ile Val Glu Arg Pro Val Cys Lys Asp Ser Thr Arg Ile Arg
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                                                                      864
Ile Thr Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys
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                                                                     1008
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Glu Gly Cys Asp Arg Asp Gly Lys Tyr Gly Phe Tyr Thr His Val Phe
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Tyr Gln Thr Phe Phe Asn Pro Arg Thr Phe Gly Ser Gly Glu Ala Asp
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
Glu Arg Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg Ile Val Glu Gly
Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
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Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
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Trp Val Leu Thr Ala Ala Ala Cys Leu Leu Tyr Pro Pro Trp Asp Lys
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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                                                 285
Arg Gly Asp Ala Cys Glu Gly Asp Gly Gly Pro Phe Val Met Lys
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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Ala Leu Cys Ser Leu Val His Ser Gln His Val Phe Leu Ala Pro Gln
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
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gaa aga gag ctc ctg gaa tcc tac atc gac ggg cgc att gtg gag ggc
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Glu Arg Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg Ile Val Glu Gly
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tcg gat gca gag atc ggc atg tca cct tgg cag gtg atg ctt ttc cgg
                                                                      336
Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
                                                                      384
aag agt ccc cag gag ctg ctg tgt ggg gcc agc ctc atc agt gac cgc
Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
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                                                                      432
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		aac Asn														768
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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Ala Leu Met Lys Leu Lys Lys Pro Val Ala Phe Ser Asp Tyr Ile His
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Gly Tyr Lys Gly Arg Val Thr Gly Trp Gly Asn Leu Lys Glu Thr Trp
Thr Ala Asn Val Gly Lys Gly Gln Pro Ser Val Leu Gln Val Val Asn
Leu Pro Ile Val Glu Arg Pro Val Cys Lys Asp Ser Thr Arg Ile Arg
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Ile Thr Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys
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Glu Gly Cys Asp Arg Asp Gly Lys Tyr Gly Phe Tyr Thr His Val Phe
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Ala Leu Cys Ser Leu Val His Ser Gln His Val Phe Leu Ala Pro Gln
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								atc Ile								288
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								ggg Gly								384
Trp	Val 130	Leu	Thr	Ala	Ala	Ala 135	Cys	ctc Leu	Leu	Tyr	Pro 140	Pro	Trp	Asp	Lys	432
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								caa Gln								960
								tat Tyr								1008

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Tyr Gln Thr Phe Phe Asn Pro Arg Thr Phe Gly Ser Gly Glu Ala Asp
Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
Glu Arg Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg Ile Val Glu Gly
Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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                                                205
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Ile Thr Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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Ala Leu Cys Ser Leu Val His Ser Gln His Val Phe Leu Ala Pro Gln
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Gln Ala Arg Ser Leu Leu Gln Arg Val Arg Arg Thr Ala Thr Ser Glu
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Ile Thr Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
Glu Arg Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg Ile Val Glu Gly
Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
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Trp Val Leu Thr Ala Ala Ala Cys Leu Leu Tyr Pro Pro Trp Asp Lys
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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                                105
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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Leu Pro Ile Val Glu Arg Pro Val Cys Lys Asp Ser Thr Arg Ile Arg
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Glu Gly Cys Asp Arg Asp Gly Lys Tyr Gly Phe Tyr Thr His Val Phe
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Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
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Glu Arg Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg Ile Val Glu Gly
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                                                                      336
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						Leu										
145		• • • •	014		150	200	200		0	155	0.7	2,0		001	160	
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						att										320
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						Lys										
		195	٠,٠		_, _	٠, ٥	200				001	205	- , -			
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						tgt										864
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						Gly										1000
OIU	Uly	ψy3	изр	325	пор	Uly	Lys	1 9 1	330	1 116	LYI	1 111	1113		1 110	
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
Glu Arg Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg Ile Val Glu Gly
Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
Trp Val Leu Thr Ala Ala Ala Cys Leu Leu Tyr Pro Pro Trp Asp Lys
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Asn Phe Thr Glu Asn Asp Leu Leu Val Arg Ile Gly Lys His Ser Arg
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Thr Arg Tyr Glu Arg Asn Ile Glu Lys Ile Ser Met Leu Glu Lys Ile
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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Pro Val Cys Leu Pro Asp Arg Glu Thr Ala Ala Ser Leu Leu Gln Ala
Gly Tyr Lys Gly Arg Val Thr Gly Trp Gly Asn Leu Lys Glu Thr Trp
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						aca Thr										720
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
Glu Arg Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg Ile Val Glu Gly
Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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Pro Val Cys 210		215				220					
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Gly Tyr Lys 225	GIY AIR	230	GIY II	ip Giy	235	Leu	LyS	GIU	HIL	240	
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Thr Ala Asn	245			250					255		
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Leu Pro Ile	260		26	65	_			270		_	004
atc act gac Ile Thr Asp											864
275	non mee	The Oys	280	19 191	Lys .	110	285	oru	019	Lys	
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Arg Gly Asp 290		295				300					
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Glu Gly Cys	Asp Arg 325	Asp Gly	Lys Ty	yr Gly 330	Phe '	Tyr	Thr	His	Val 335	Phe	
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Gly Tyr Lys Gly Arg Val Thr Gly Trp Gly Asn Leu Lys Glu Thr Trp
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Ile Thr Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
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Trp Val Leu Thr Ala Ala Ala Cys Leu Leu Tyr Pro Pro Trp Asp Lys
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
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Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
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Trp Val Leu Thr Ala Ala Ala Cys Leu Leu Tyr Pro Pro Trp Asp Lys
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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Ala Leu Met Lys Leu Lys Lys Pro Val Ala Phe Ser Asp Tyr Ile His
                            200
Pro Val Cys Leu Pro Asp Arg Glu Thr Ala Ala Ser Leu Leu Gln Ala
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                                            220
Gly Tyr Lys Gly Arg Val Thr Gly Trp Gly Asn Leu Lys Glu Thr Trp
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Thr Ala Asn Val Gly Lys Gly Gln Pro Ser Val Leu Gln Val Val Asn
Leu Pro Ile Val Glu Arg Pro Val Cys Lys Asp Ser Thr Arg Ile Arg
                                265
Ile Thr Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys
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Arg Gly Asp Ala Cys Glu Gly Asp Ala Gly Gly Pro Phe Val Met Lys
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                                            300
Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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**CDS** 

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												gag Glu			192
												gac Asp			240
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												ctt Leu 110			336
												agt Ser			384
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												cac His			480
										_	_	gaa Glu			528
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												tac Tyr			624
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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Glu Gly Cys Asp Arg Asp Gly Lys Tyr Gly Phe Tyr Thr His Val Phe
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Gln Ala Arg Ser Leu Leu Gln Arg Val Arg Arg Thr Ala Thr Ser Glu
Tyr Gln Thr Phe Phe Asn Pro Arg Thr Phe Gly Ser Gly Glu Ala Asp
Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
Glu Arg Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg Ile Val Glu Gly
Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Phe Arg
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Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
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Trp Val Leu Thr Ala Ala Ala Cys Leu Leu Tyr Pro Pro Trp Asp Lys
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Asn Phe Thr Glu Asn Asp Leu Leu Val Arg Ile Gly Ala His Ser Arg
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                                        155
Thr Arg Tyr Glu Arg Asn Ile Glu Lys Ile Ser Met Leu Glu Lys Ile
Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile
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Ala Leu Met Lys Leu Lys Lys Pro Val Ala Phe Ser Asp Tyr Ile His
                            200
Pro Val Cys Leu Pro Asp Arg Glu Thr Ala Ala Ser Leu Leu Gln Ala
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                                            220
Gly Tyr Lys Gly Arg Val Thr Gly Trp Gly Asn Leu Lys Glu Thr Trp
Thr Ala Asn Val Gly Lys Gly Gln Pro Ser Val Leu Gln Val Val Asn
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Leu Pro Ile Val Glu Arg Pro Val Cys Lys Asp Ser Thr Arg Ile Arg
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Ile Thr Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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gcc ctg tgt agc ctt gtg cac agc cag cat gtg ttc ctg gct cct cag
Ala Leu Cys Ser Leu Val His Ser Gln His Val Phe Leu Ala Pro Gln
caa gca cgg tcg ctg ctc cag cgg gtc cgg cga acc gcc acc agt gag
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Gln Ala Arg Ser Leu Leu Gln Arg Val Arg Arg Thr Ala Thr Ser Glu
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Tyr Gln Thr Phe Phe Asn Pro Arg Thr Phe Gly Ser Gly Glu Ala Asp
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
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Glu Arg Glu Leu Leu Glu Ser Tyr Ile Asp Gly Arg Ile Val Glu Gly
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Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Ala Arg
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aag agt ccc cag gag ctg ctg tgt ggg gcc agc ctc atc agt gac cgc
Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
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tgg gtc ctc acc gcc gcc gcc tgc ctc ctg tac ccg ccc tgg gac aag
Trp Val Leu Thr Ala Ala Ala Cys Leu Leu Tyr Pro Pro Trp Asp Lys
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aac ttc acc gag aat gac ctt ctg gtg cgc att ggc aag cac tcc cgc
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Asn Phe Thr Glu Asn Asp Leu Leu Val Arg Ile Gly Lys His Ser Arg
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Thr Arg Tyr Glu Arg Asn Ile Glu Lys Ile Ser Met Leu Glu Lys Ile
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Tyr Ile His Pro Arg Tyr Asn Trp Arg Glu Asn Leu Asp Arg Asp Ile

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Ala Leu Met Lys Leu Lys Lys Pro Val Ala Phe Ser Asp Tyr Ile His
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                            200
cct gtg tgt ctg ccc gac agg gag acg gca gcc agc ttg ctc cag gct
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Pro Val Cys Leu Pro Asp Arg Glu Thr Ala Ala Ser Leu Leu Gln Ala
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gga tac aag ggg cgg gtg aca ggc tgg ggc aac ctg aag gag acg tgg
Gly Tyr Lys Gly Arg Val Thr Gly Trp Gly Asn Leu Lys Glu Thr Trp
aca gcc aac gtt ggt aag ggg cag ccc agt gtc ctg cag gtg gtg aac
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Thr Ala Asn Val Gly Lys Gly Gln Pro Ser Val Leu Gln Val Val Asn
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ctg ccc att gtg gag cgg ccg gtc tgc aag gac tcc acc cgg atc cgc
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Leu Pro Ile Val Glu Arg Pro Val Cys Lys Asp Ser Thr Arg Ile Arg
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atc act gac aac atg ttc tgt gct ggt tac aag cct gat gaa ggg aaa
Ile Thr Asp Asn Met Phe Cys Ala Gly Tyr Lys Pro Asp Glu Gly Lys
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cga ggg gat gcc tgt gaa ggg gac gcc ggg gga ccc ttt gtc atg aag
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Arg Gly Asp Ala Cys Glu Gly Asp Ala Gly Gly Pro Phe Val Met Lys
agc ccc ttt aac aac cgc tgg tat caa atg ggc atc gtc tca tgg ggt
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Ser Pro Phe Asn Asn Arg Trp Tyr Gln Met Gly Ile Val Ser Trp Gly
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gaa ggc tgt gac cgg gat ggg aaa tat ggc ttc tac aca cat gtg ttc
                                                                     1008
Glu Gly Cys Asp Arg Asp Gly Lys Tyr Gly Phe Tyr Thr His Val Phe
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cgc ctg aag aag tgg ata cag aag gtc att gat cag ttt gga gag tag
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Tyr Gln Thr Phe Phe Asn Pro Arg Thr Phe Gly Ser Gly Glu Ala Asp
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Cys Gly Leu Arg Pro Leu Phe Glu Lys Lys Ser Leu Glu Asp Lys Thr
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Ser Asp Ala Glu Ile Gly Met Ser Pro Trp Gln Val Met Leu Ala Arg
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Lys Ser Pro Gln Glu Leu Leu Cys Gly Ala Ser Leu Ile Ser Asp Arg
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Trp Val Leu Thr Ala Ala Ala Cys Leu Leu Tyr Pro Pro Trp Asp Lys

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Thr	Arg	Tyr	Glu	Arg 165	Asn	Ile	Glu	Lys	Ile 170	Ser	Met	Leu	Glu	Lys 175	Ile
Tyr	Ile	His	Pro 180	Arg	Tyr	Asn	Trp	Arg 185	Glu	Asn	Leu	Asp	Arg 190	Asp	Ile
Ala	Leu	Met 195	Lys	Leu	Lys	Lys	Pro 200	Val	Ala	Phe	Ser	Asp 205	Tyr	Ile	His
Pro	Val 210	Cys	Leu	Pro	Asp	Arg 215	Glu	Thr	Ala	Ala	Ser 220	Leu	Leu	Gln	Ala
Gly 225	Tyr	Lys	Gly	Arg	Val 230	Thr	Gly	Trp	Gly	Asn 235	Leu	Lys	Glu	Thr	Trp 240
Thr	Ala	Asn	Val	Gly 245	Lys	Gly	Gln	Pro	Ser 250	Val	Leu	Gln	Val	Val 255	Asn
Leu	Pro	Ile	Val 260	Glu	Arg	Pro	Val	Cys 265	Lys	Asp	Ser	Thr	Arg 270	Ile	Arg
Ile	Thr	Asp 275	Asn	Met	Phe	Cys	Ala 280	Gly	Tyr	Lys	Pro	Asp 285	Glu	Gly	Lys
Arg	G1y 290	Asp	Ala	Cys	Glu	G1y 295	Asp	Ala	Gly	Gly	Pro 300	Phe	Val	Met	Lys
Ser 305	Pro	Phe	Asn	Asn	Arg 310	Trp	Tyr	Gln	Met	Gly 315	Ile	Val	Ser	Trp	G1y 320
Glu	Gly	Cys	Asp	Arg 325	Asp	Gly	Lys	Tyr	G1y 330	Phe	Tyr	Thr	His	Val 335	Phe
Arg	Leu	Lys	Lys 340	Trp	Ile	Gln	Lys		Ile	-		Phe	Gly 350		